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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In Re Application of: | Customer No.: 32,650 | | | |
|---|--------------------------------|--|--|--|
| Thazha P. Prakash and Muthiah Manoharan | | | | |
| For: NON-PHOSPHOROUS-LINKED OLIGOMERIC COMPOUNDS AND THEIR USE IN GENE MODULATION | | | | |
| DECLARATION AND POWER OF | ATTORNEY | | | |
| As a below named inventor, I hereby declare that: | | | | |
| My residence, post office address and citizenship are as sta | ted below next to my name; and | | | |
| I believe that I am the original, first and sole inventor (if or original, first and joint inventor (if plural names are listed to is claimed and for which a | | | | |
| ☐ Utility Patent ☐ Design Pa | tent | | | |
| is sought on the invention, whose title appears above, the specification of which: | | | | |
| is attached hereto. | | | | |
| was filed on as Serial No | | | | |
| said application having been amended o | n | | | |
| I hereby state that I have reviewed and understand the cont specification, including the claims, as amended by any ame | | | | |
| I acknowledge the duty to disclose to the U.S. Patent and T known to be material to the patentability of this application 1.56. | | | | |

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

| Priority Claimed (If X'd) | Country | Serial Number | Date Filed |
|------------------------------|---------|---------------|------------|
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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| Serial Number | Date Filed | Patented/Pending/Abandoned |
|---------------|------------|----------------------------|
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I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

| Serial Number | Date Filed |
|---------------|------------|
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| | |

I hereby appoint all the practitioners associated with Customer Number 32,650 to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 32,650 is an attorney registered before the United States Patent and Trademark Office.



PATENT TRADEMARK OFFICE

DOCKET NO.: ISIS-5201 PATENT

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

| Thazha P. Prakash | |
|---|---------------------------------------|
| Mailing Address: | Signature |
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| City/State of Actual Residence: Carlsbad, California 92009 | Citizenship: India |
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| Muthiah Manoharan | |
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| | |